

TECHNICAL SPECIFICATIONS

Memotech Videowall systems utilise the DDFS 1.5 & 2.0 videowall electronic control units. DDFS units, MTX computers and computerised audio video components are designed and manufactured in the United Kingdom to the highest standards by Memotech Computers Limited of Witney, Oxfordshire.

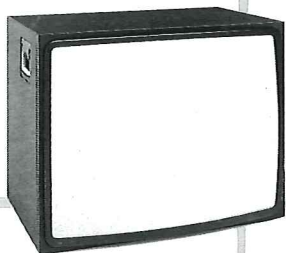
The technologies required to realise high performance videowalls represent the perfect integration of advanced computer techniques with digital video electronics and television. Memotech Computers are in the forefront of both computer and digital video design.

Since its introduction in 1986, DDFS based Videowalls have been unmatched for quality, reliability, ease of control and price.

Two current systems exist, each offering a choice of resolution and effects control. All systems are supplied with the industry standard Barco SCM 2840 monitor. The Memotech computer control system is the most advanced and versatile available with a unique authoring programming system based on colour icons and pictorial symbols allowing even the most inexperienced operator to quickly master control.

For even simpler control or complete automated operation, Memotech offer the Reflex Touch Control system. Complete control at the touch of a button.

BARCO



BARCO SCM 2840 : 28" flat square Video Wall Monitor.

The SCM 2840 is a metal cased System Colour Monitor, designed for minimal dimensions with maximum stackability. Its 28" flat square picture tube and long term colour stability, makes the SCM 2840 ideal for integrating into the Memotech videowall system.

FEATURES:

- Solid metal case, designed for minimum dimensions and maximum stacking of up to 8 monitors high.
- Provisions to build into a videowall system, keeping installation costs to a minimum.
- In-line gun, 28" flat square tube.

SPECIFICATIONS:

Display performance:

Screen size : 28", 70 cm Pixel size : 0.7 mm. Horizontal resolution : 600 pixels Vertical resolution : 575 active lines, interlaced. Display capability : 80 characters per line (6 x 10 dots / character cell). Total number of characters : 2,000. Maximum geometric distortion in the corners : 5%

RGB and sync performance:

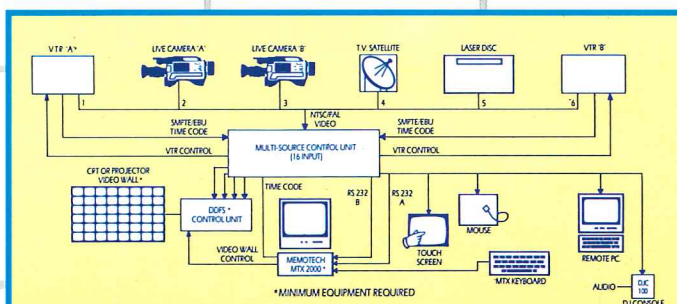
CTI (Colour Transient Improvement) and ABL (Automatic Black Level) for sharpest pictures and long term colour stability. RGB bandwidth : 10 MHz \pm 3 dB

Input panel Controls :

ON/OFF switch with mains input on EURO DIN plug. RGB input : Cannon D9 subminiature connector for analogue RGB.

General specifications:

Warm up period : 30 minutes to meet nominal specs. Degaussing : automatic when switching on. Temperature range : + 10°C to + 35° C ambient air temperature to meet nominal specs, + 10°C to + 45° C for normal operation. Humidity : up to 95 % relative humidity over the whole temperature range, non condensing. Altitude : normal performance up to 3,000 m (10,000 ft) X-ray radiation : conform to DHHS regulations. Cabinet : 2 solid cabinet handles afford convenient portability, bolts for suspension system built in. Dimensions : 595 (W) x 470 (H) x 460 (D) mm. Weight : 40kg. Stackability : static power tests up to 2,800 kg. The information and data given are typical for the equipment described ; however any individual item is subject to change without notice.



Memotech Videowall Features

(m) = mid-resolution systems only, (h) = high-resolution systems only,
(*) = mid & high resolution systems.

Software

- Simple Menu Driven Programming System (h)
 - Reflex Touch controller as standard (m)
 - Up to 64 monitor wall as standard (*)
- EBU/SMPT/EBU timecode reader and display built in (h)
 - Remote Control Mode available (*)
- Reconfigurable Framestore identities in-situ (h)
 - RS232 communications for full interfacing (h)
- Compatible with Advanced Lighting Systems "Enigma" (*)
 - DJC and Reflex Control Options (h)

Hardware

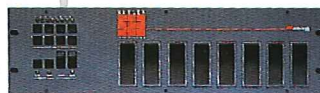
PAL/NTSC or RGBS inputs available.

Optional SC inputs. RGBS outputs to monitors or projectors. RGB 8MHz (dither expanded to 32 MHz). Real time sampling. One video framestore per monitor for maximum versatility. Full Field display and effects. Magnification and Compression (Linear and non-linear). Colourwash and Special Effects. Full interlace Interpolation. Digital Antialiasing. Independent monitor addresses for maximum flexibility. Rugged Aluminium Fan Cooled Enclosures. Multiple Simultaneous Source Capability. Fully expandable and upgradable.

Hardware Options

Mouse or Touchscreen control. RGB Buffer Amplifier for multiple wall displays. Software controlled 16 input/17 output switcher. 4x4, 4x8, 4x12, 4x16 Software Controlled RGB crosspoint switchers. Wide choice of formats from 2x1 to 8x8 monitor arrays. Specialist non-videowall image control available. Spares Kits to suit every application. Special Cable Lengths to order.

REFLEX



The Memotech Reflex Touch Controller has been designed to allow the most inexperienced operator full and simple control of the Videowall. Ideal for use in nightclubs, bars and stores where non technical staff may be called upon to operate the system.

FEATURES

- Touch Control Keypad for simple operation
- Eight separate "pages" of effects offering over 60 routines
- Full control over effects sequence speed
- Audio input for "sound to vision" effect
- "Auto key for unattended and random operation
- Installer Default modes giving control over startup mode
- Separate Power supply for added safety
- Simple Connection to Videowall for low install cabling cost
- Fully Upgradable with Refresher Eprom Packs available
- Compatible with all Memotech and Cameron Videowalls
- Custom Programmes Available

SPECIFICATION

Control System : Instant access to Memotech DDFS effects via custom remote mode software without specialist training
Dimensions 485W x 135H x 250D (3RU)
Power Requirements 110/240v 50/60Hz 100VA

Connections

To Videowall - 8 core screened RS232 9way D-type
From PSU - Integral Lead and DIN Connector
From Audio - 5 pin DIN Connector Stereo Line Level.



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